AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A conveying system for conveying and selectively diverting articles, comprising:

a conveyor for conveying articles in a longitudinally downstream direction, the conveyor having a conveying surface defining a longitudinal edge; and

a diverter blade arranged to be rotated about a generally vertical rotary axis from a retracted position along the longitudinal edge of the conveying surface to an extended position across the conveying surface to displace an article;

the diverter blade forming a pusher portion defining a pusher surface spaced downstream of the rotary axis;

the diverter blade having a void arranged between the rotary axis and the pusher portion for enabling a subsequent article to pass downstream of the axis without contacting the diverter blade while the diverter blade is in an extended position.

2. (original) A conveying system according to claim 1, wherein the pusher surface is spaced apart from the rotary axis in a direction of conveyance by a distance of at least 1/4 of a length of the pusher surface.

- 3. (original) A conveying system according to claim 2 wherein the distance is at least ½ of the length of the pusher surface.
- 4. (original) A conveying system according to claim 2, wherein the distance is at least 2/3 of the length of the pusher surface.
- 5. (original) A conveying system according to claim 1, further comprising a torque-transmitting member connected to the diverter blade for rotating the diverter blade.
- 6. (original) A conveying system according to claim 1, wherein the pusher portion is connected to the axis by a connection portion, an intersection of the connecting portion and the pusher surface forming a step.
- 7. (original) A conveying system according to claim 1, wherein the pusher surface is planar.
- 8. (original) A conveying system according to claim 1, wherein the pusher surface is curved as viewed in a vertically downward direction.

- 9. (original) A conveying system according to claim 1 wherein the pusher portion is connected to the axis by a connecting portion, the pusher portion being pivotably mounted to the connecting portion, and a shock absorbing mechanism connected between the pusher portion and the connecting portion.
- 10. (original) The conveying system according to claim 9 wherein the pusher surface is elastic to absorb shock.
- 11. (original) The conveying system according to claim 1 wherein the pusher surface is elastic to absorb shock.
- 12. (original) A conveying system according to claim 1, wherein the connecting portion having a connector surface facing the conveyor edge, the pusher surface being positioned closer to the conveyor than is the connector surface, in the retracted position of the diverter blade.
- 13. (original) A conveying system for conveying and selectively diverting articles, comprising:

a conveyor for conveying articles in a longitudinally downstream direction, the conveyor having a conveying surface defining a longitudinal edge; and

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a diverter blade arranged to be rotated about a generally vertical rotary axis

from a retracted position along the longitudinal edge of the conveying surface

to an extended position across the conveying surface to displace an article,

the diverter blade having a pusher portion defining a pusher surface spaced

downstream of the rotary axis by a connecting portion of the diverter blade,

wherein a section of the connecting portion disposed immediately

downstream of the rotary axis extends in a direction away from the edge of

the conveying surface in the retracted position of the diverter blade, wherein

the section avoids contact with a subsequent article while the diverter blade is

in an extended position.

14. (canceled)

15. (canceled)

16. (canceled)

17. (canceled)

18. (canceled)

19. (canceled)

20. (original) A method of selectively diverting articles from a conveyor by a

diverter blade positioned next to a longitudinal edge of the conveyor, the blade

including a pusher portion arranged to move across the conveyor between retracted

and fully extended positions in response to a pivoting of the diverter blade about a

generally vertical axis, the axis being spaced from the pusher portion in a direction opposite a longitudinal direction of article conveyance, the method comprising the

steps of:

- of the articles disposed adjacent the longitudinal edge of the conveyor, and with a first of the articles spaced downstream of a second of the articles;
- B) maintaining the diverter blade in the retracted position until the first article reaches a position adjacent the pusher portion of the retracted diverter blade; then
- C) pivoting the diverter blade from the retracted position to the fully extended position to cause the pusher portion to push the first article from the conveyor; then
- D) pivoting the diverter blade from the fully extended position to the retracted position; and
- E) causing the second article to pass downstream of the pivot axis and into a void formed by the diverter blade prior to the diverting blade reaching the retracted position during steps C and D, to avoid contact between the trailing article and the diverter blade.

- 21. (original) The method according to claim 20, wherein the diverter blade travels from the retracted position to the fully extended position and then back to the retracted position in a cycle time, and the conveyor travels at a conveying speed, wherein a spacing between the first and second articles during step A is shorter than the cycle time multiplied by the conveying speed.
 - 22. (canceled)
 - 23. (canceled)
 - 24. (canceled)
 - 25. (canceled)